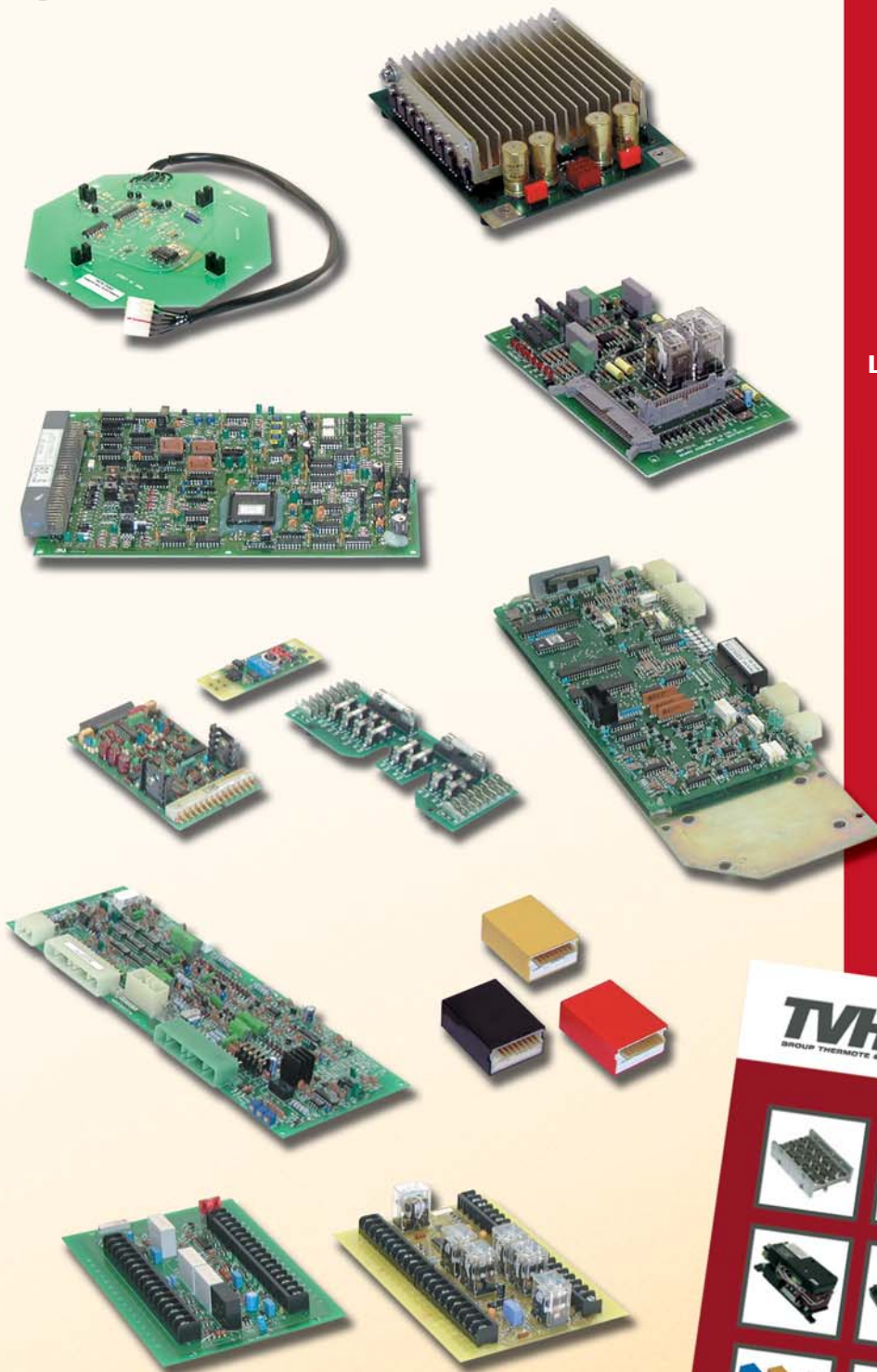


**Electronic cards for all makes.**

- new
- service exchange
- repair



**This is just a small selection
of our electronic cards & controllers.
For all other types please feel free to call us!**

ALLIS-CHALMERS
AMEISE-JUNGHEINRICH • AMELEC
ATLET • BOSCH • BOSS • BROWN
BOVERI • BRUNILIFT • BT
CABLEFORM • PULSOMATIC
CATERPILLAR • CESAB • CLARK
CROWN • CURTIS • FENWICK
GENERAL ELECTRIC • HITACHI
HYSTER • KELTRONIC • KOMATSU
LANSING • LINDE • MIC • MITSUBISHI
NISSAN • NYK-NICHIYU
OM-FIAT • PEG • PIMESPO • PRAT
SALEV • SAXBY • SEMIKRON
SEVCON • SIGMA • STEINBOCK
STILL • TCM • TELEMECANIQUE
TOWMOTOR • TOYOTA
WESTINGHOUSE
WAGNER • YALE • ZAPI

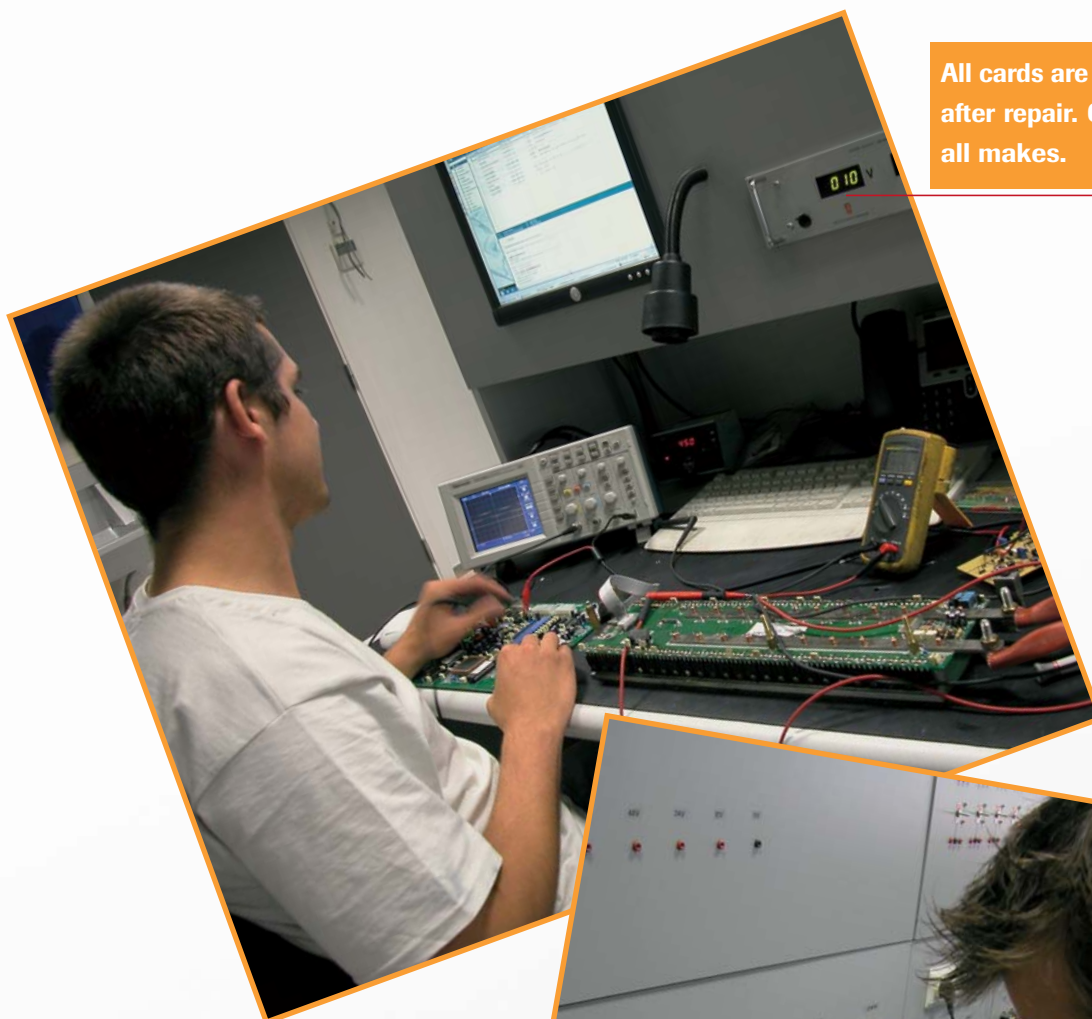
Full catalogue on request
REF 6848420

Coming soon!



A VIEW OF OUR ELECTRONIC WORKSHOP

ELECTRONIC CARDS & CONTROLLERS



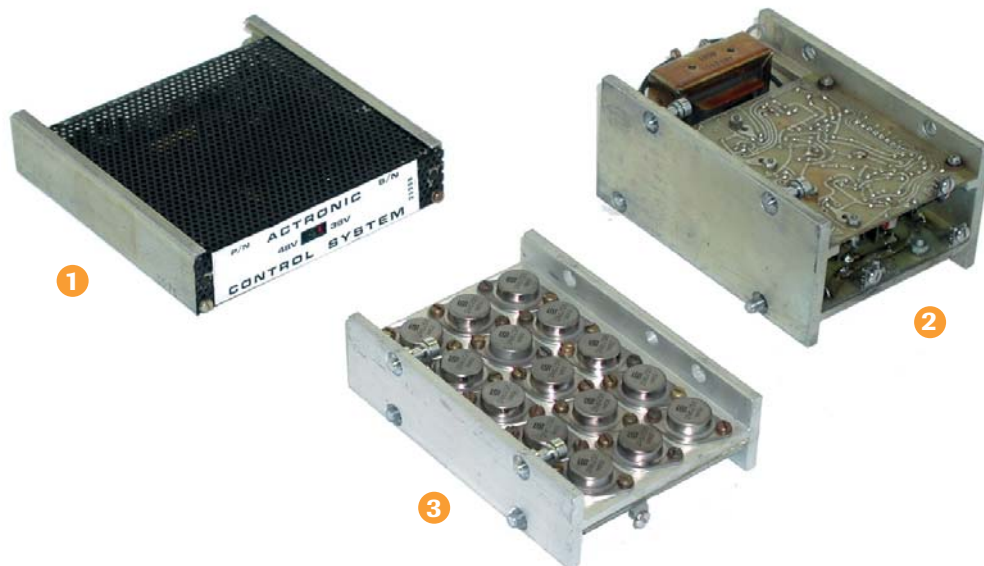
All cards are thoroughly load tested after repair. Qualified repairers for all makes.

Six month warranty on all cards. New, repair or service exchange.



Ask for

- New
- Service exchange
- Repair

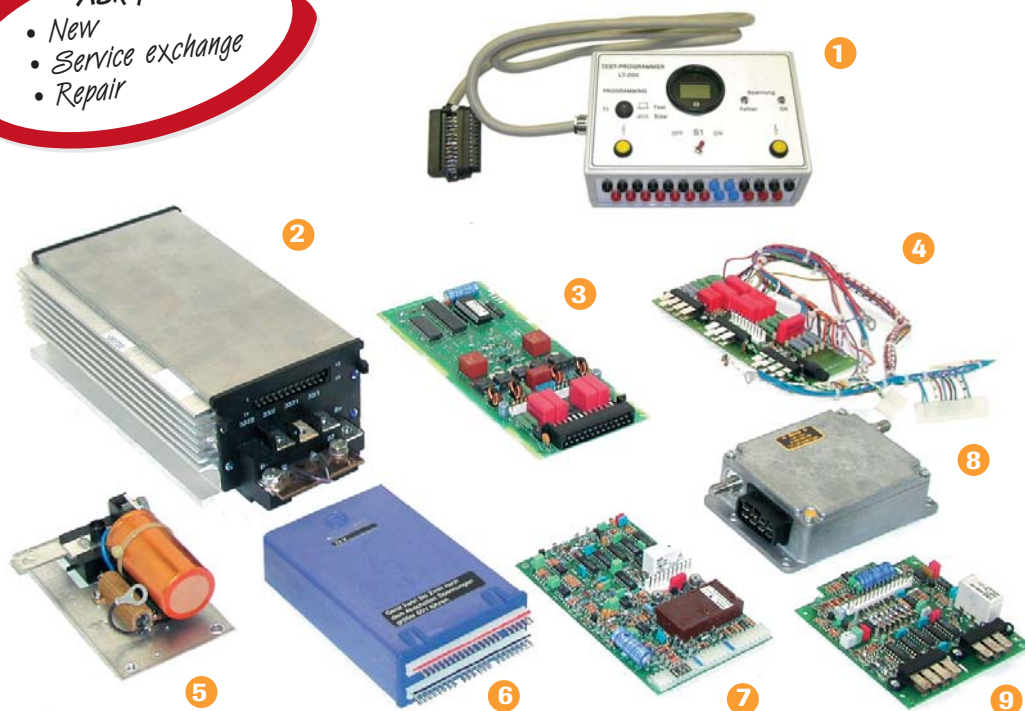
USED FOR ALLIS CHALMERS

- 1 logic unit
- 2 power supply unit
- 3 power unit

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR BOSCH

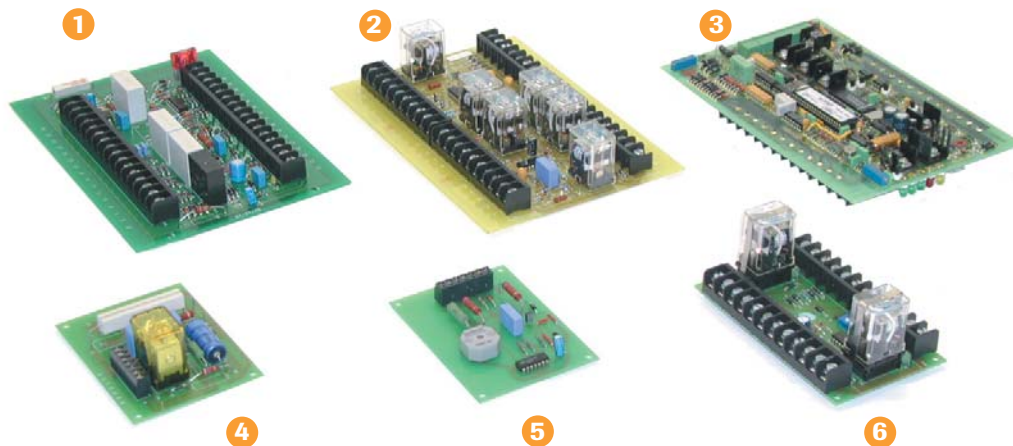
- 1 LT200 programmer
REF 123TA7960
- 2 controller LT 200
- 3 logic card LT200
- 4 logic card
- 5 module LT200
- 6 logic card
- 7 logic card
- 8 accelerator
- 9 logic card LT50

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

USED FOR BT

Ask for

- New
- Service exchange
- Repair



- 1 logic card
- with 4 relays
REF 106TA6348
- with 5 relays
REF 106TA6349
- 2 logic card
- 3 logic card Sigma
TR250
REF 113TA1709
- 4 logic card
REF 106TA6350
- 5 logic card
REF 106TA6351
- 6 logic card

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

USED FOR BT

Ask for

- New
- Service exchange
- Repair



- 1 power unit AC
- 2 mosfet controller
Logic included :
REF 113TA1710
logic only :
REF 105TA4790
- 3 power unit
- 4 logic box
- 5 logic box
- 6 logic card Sigma
TR250-MS90
- 7 logic card Sigma
REF 106TA6352
- 8 logic card

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR CABLEFORM



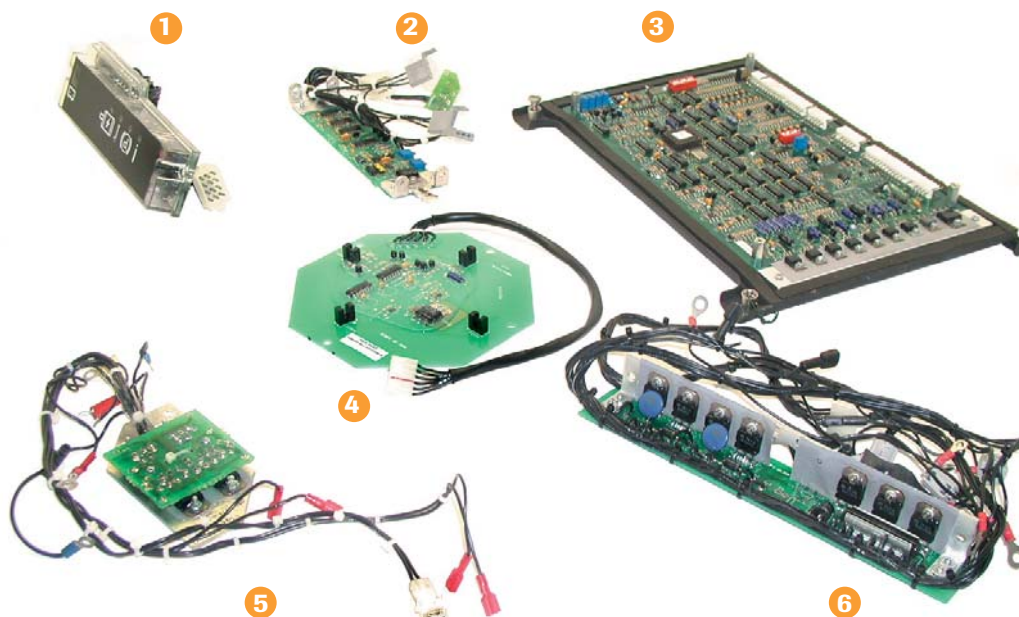
- 1 speed control unit MK-X
 - 2 speed control unit MK-X
 - 3 controller MK-X
 - 4 logic MK-X
 - 5 module
 - 6 module
 - 7 module
 - 8 module
 - 9 logic card MK-X
- REF 123TA6783

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR CATERPILLAR



- 1 display
- 2 valve control card
- 3 logic board
- 4 sensor board
- 5 GP driver board
- 6 driver board

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

CURTIS

**CURTIS**TVH is an official
Curtis Instruments agent

- 1 controller series 1207
- 2 controller series 1207A
- 3 controller series 1204X
- 4 controller series 1214
- 5 controller series 1243
- 6 controller series 1244
- 7 standard curtis programmer user version cable n°8 included REF 113TA1711
curtis programmer for BT-trucks cable n°8 included REF 113TA1712
- 8 programmer cable 1207A, 1214, 1243, 1244,... REF 123TA9614
- 9 programmer cable 1207... REF 123TA9615

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR GENERAL ELECTRIC



- 1 logic box EV-1
- 2 driver
- 3 logic box EV-10
- 4 logic box series B
- 5 logic box series A
- 6 logic box series E

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR GENERAL ELECTRIC



Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

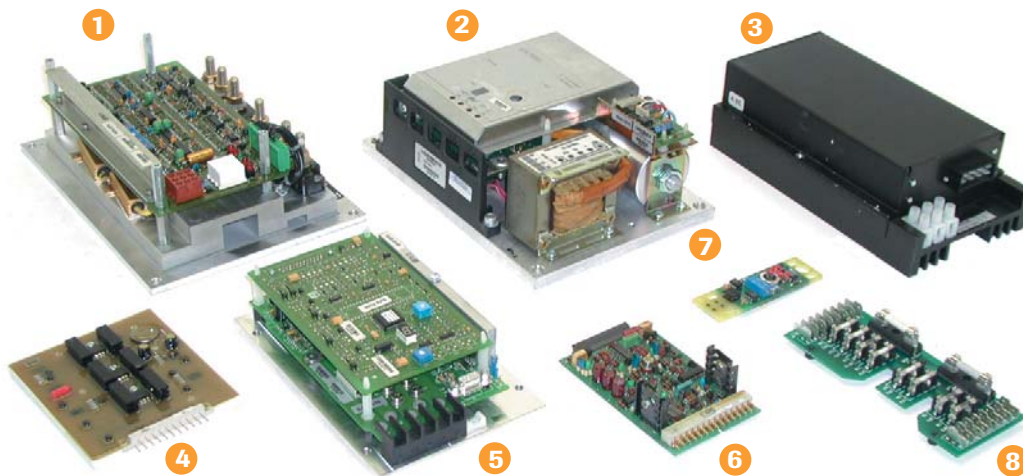
- 1 controller EV-T6
- 2 controller EV-T5
- 3 LX-programmer with cable, case & manual
REF 105TA4792
handset: REF 123TA6813
cable for EV100LX:
REF 123TA6814
cable for EV-T6:
REF 123TA6815
cable for SX (12pins):
REF 123TA6816
cable for SX (14pins):
REF 123TA6817
- 4 power steering card
IC3645PS11A: 123TA6818
IC3645PS22A: 123TA6819
IC3645PS32A: 123TA6820
- 5 EV-100 card
- 6 EV-100 LX card
- 7 SX traction controller
- 8 SX traction controller

ELECTRONIC CARDS & CONTROLLERS

Ask for

- New
- Service exchange
- Repair

USED FOR JUNGHEINRICH

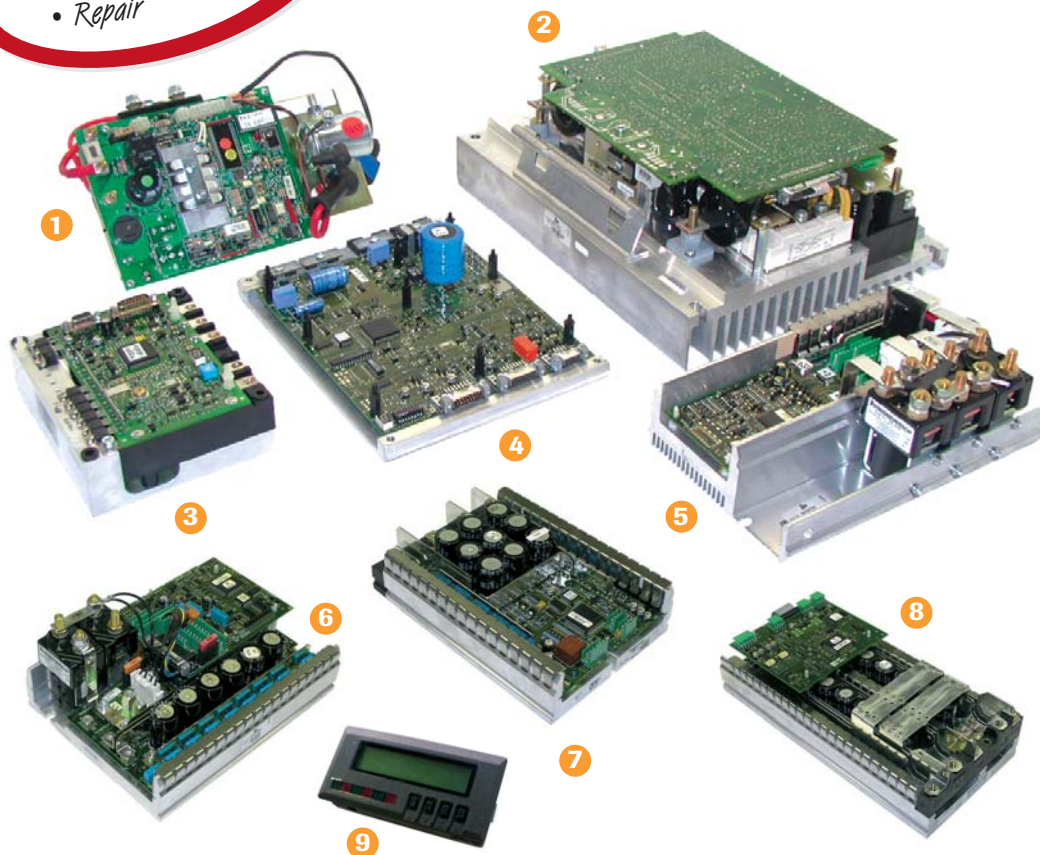


Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

- 1 controller
1M1000-24V
Logic 24V:
REF 113TA1713
Logic 48V:
REF 113TA1714
- 2 micropuls 516F
- 3 power steering
LHE
- 4 logic card
- 5 micropuls 505L
- 6 logic card PL2
- 7 logic card
(steer sensor)
REF 106TA6354
- 8 logic card
(fuse holder)
REF 106TA6355

Ask for

- New
- Service exchange
- Repair

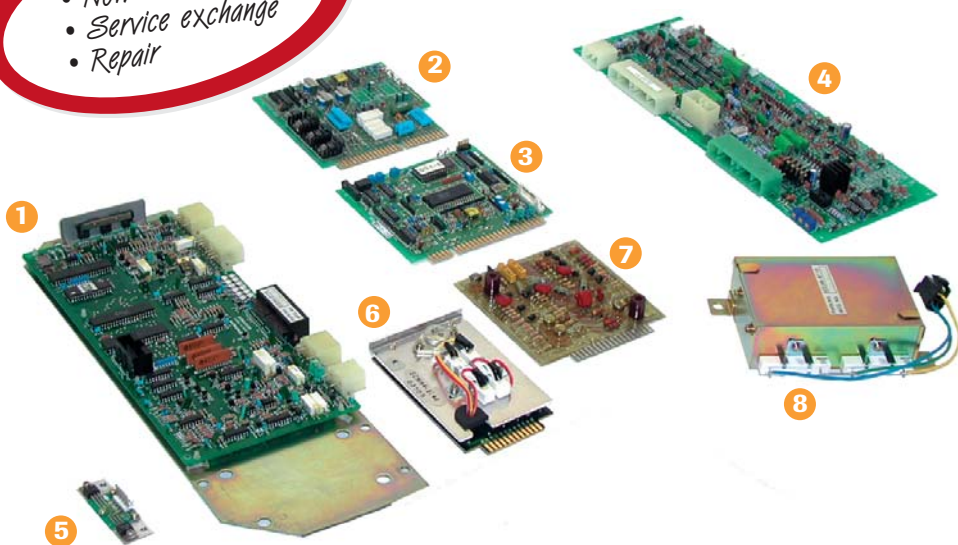
USED FOR JUNGHEINRICH

- 1 controller (swift)
- 2 micropuls 615K
- 3 micropuls 1505F
- 4 micropuls 1502L
- 5 micropuls 1506F
- 6 micropuls 1510
- 7 micropuls 1514
- 8 AS4814
- 9 LISA

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR KOMATSU

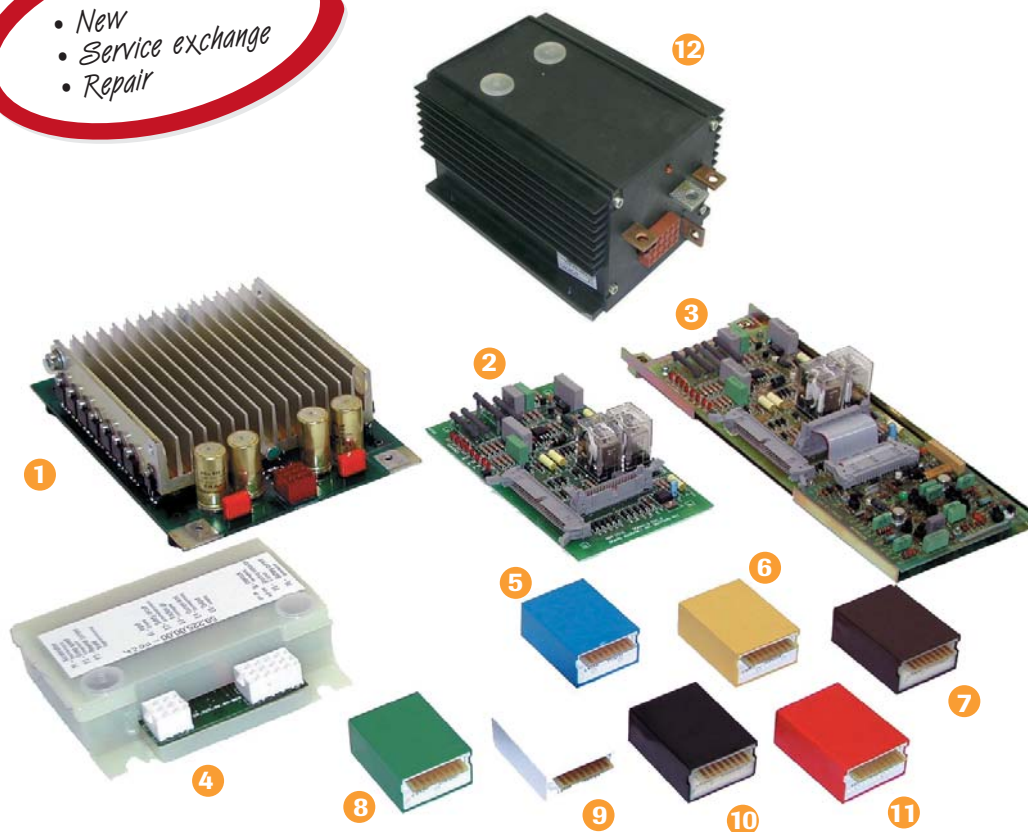
- 1 logic card
- 2 driver board (traction)
- 3 cpu board (traction)
- 4 logic card
- 5 transistor card
- 6 logic board
- 7 logic card
- 8 logic box

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR LANSING



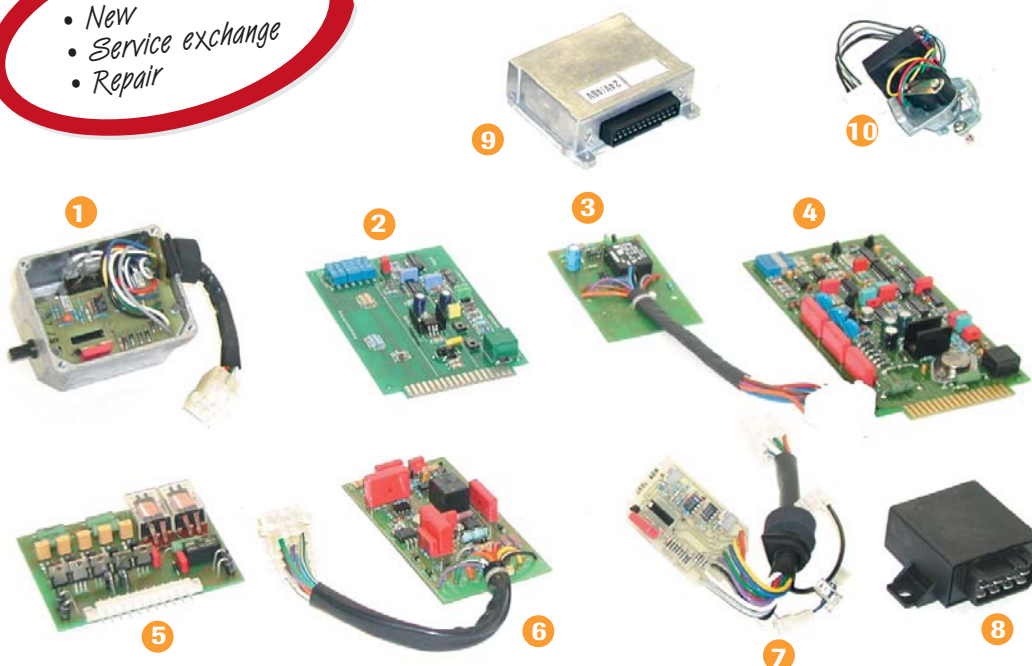
- 1 power unit
- 2 interface card
REF 105TA4787
- 3 hytron V logic box
- 4 logic box
- 5 module blue
REF 106TA6356
- 6 module yellow
REF 106TA6357
- 7 module brown
REF 106TA6358
- 8 module green
REF 106TA6359
- 9 module white
REF 106TA6360
- 10 module black
REF 106TA6361
- 11 module red
REF 106TA6362
- 12 controller 200A

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR LINDE



- 1 accelerator
- 2 logic card
REF 113TA1715
- 3 timer card
REF 106TA6363
- 4 logic card U200
REF 106TA6365
- 5 logic card
REF 106TA6364
- 6 timer module
REF 106TA6366
- 7 accelerator card
- 8 timer module
- 9 power steering module
- 10 accelerator
With 1 switch:
REF 113TA1716
With 2 switches:
REF 113TA1717

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR LINDE



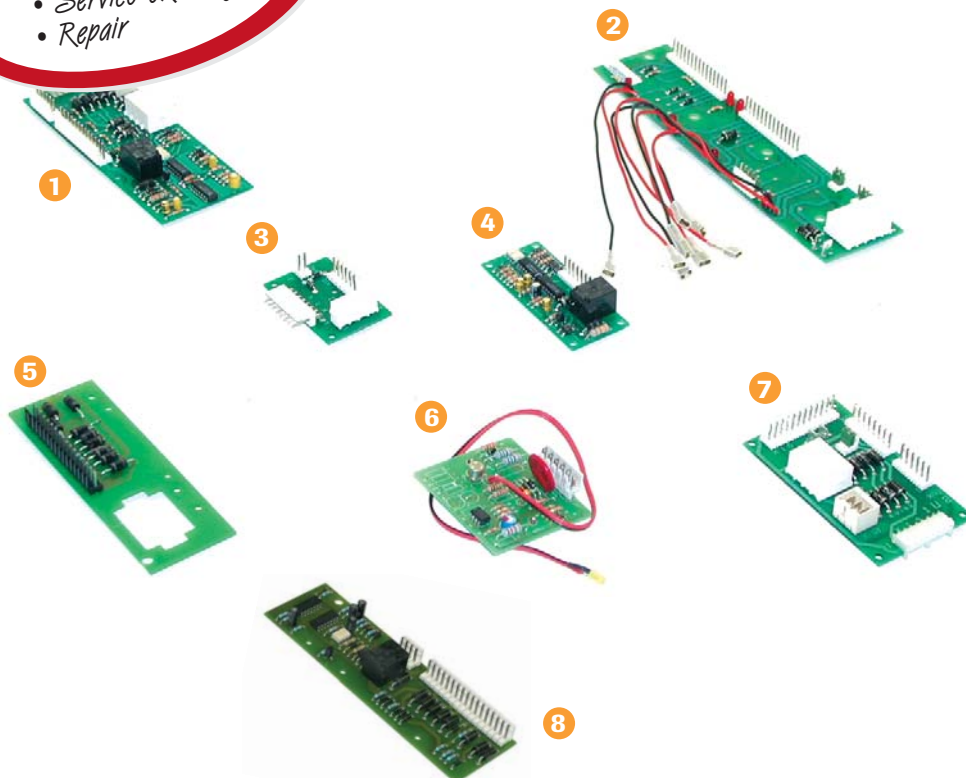
- 1 logic box
- 2 speed controller
- 3 controller LDC
- 4 logic box
- 5 logic box
- 6 tester for mosfets & skip modules
REF 122TA8869
- 7 skip module
- 8 LDC module
- 9 Adaptor
25pole: REF 122TA8863
29pole: REF 122TA8864
42pole: REF 122TA8865
55pole: REF 122TA8866
121pole: REF 123TA6821

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR MIC



- 1 logic card
REF 106TA6367
- 2 logic card
REF 113TA1718
- 3 logic card
REF 106TA6368
- 4 logic card
REF 106TA6369
- 5 logic card
REF 106TA6370
- 6 logic card for battery charger
- 7 logic card
REF 106TA6371
- 8 logic card
REF 123TA6822

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

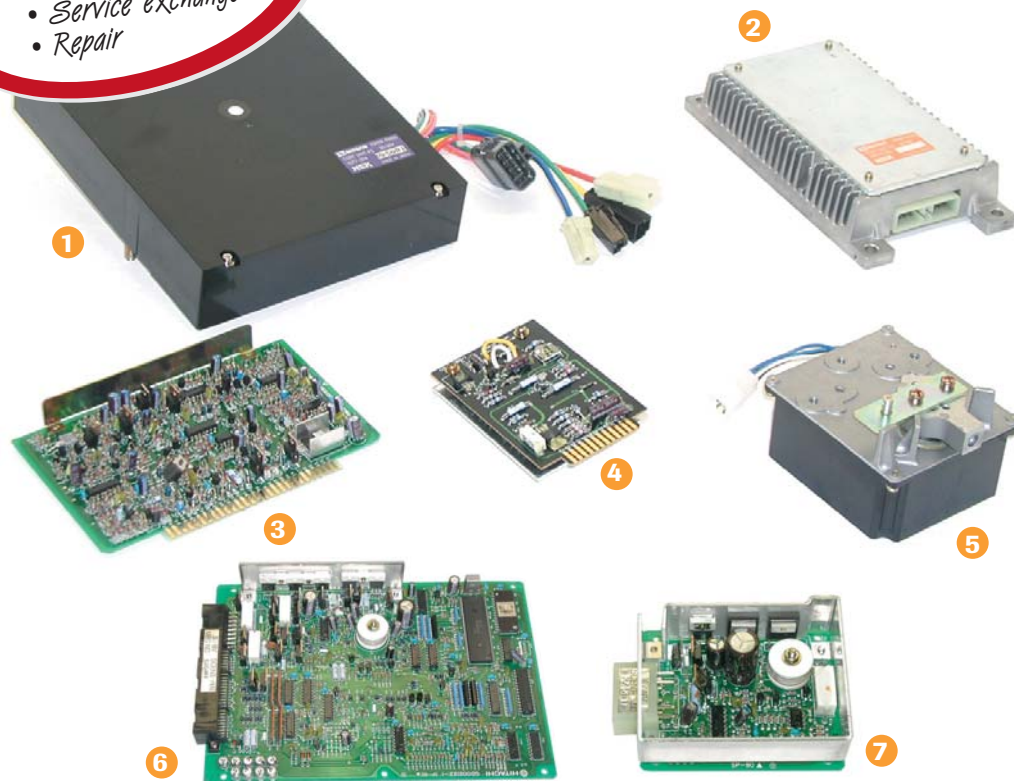
For all our latest catalogue updates and company info: www.tvh.be

OEM references are purely indicative and do not imply that parts originate from the forklift manufacturer.

Ask for

- New
- Service exchange
- Repair

USED FOR NISSAN



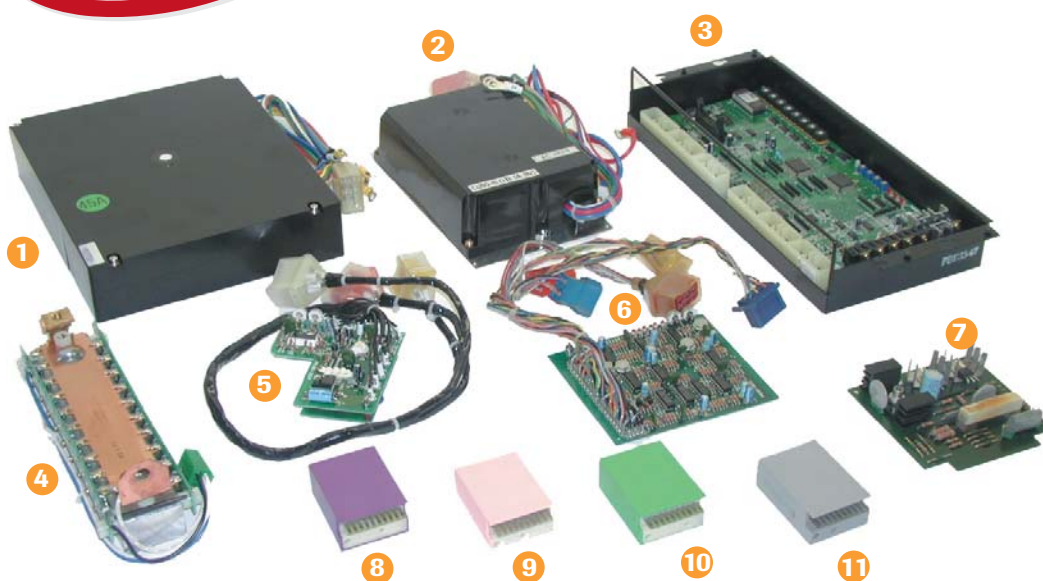
- 1 power steering
- 2 power steering
- 3 logic card
- 4 logic card
- 5 accelerator
- 6 logic card
- 7 driver board

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR NYK-NICHIYU



- 1 power steering
- 2 power steering
- 3 MPU board
- 4 FET power unit
- 5 accelerator card
- 6 logic card
- 7 logic card
- 8 module purple
REF 106TA6372
- 9 module pink
REF 106TA6373
- 10 module green
REF 106TA6374
- 11 module grey
REF 106TA6375

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR SEVCON



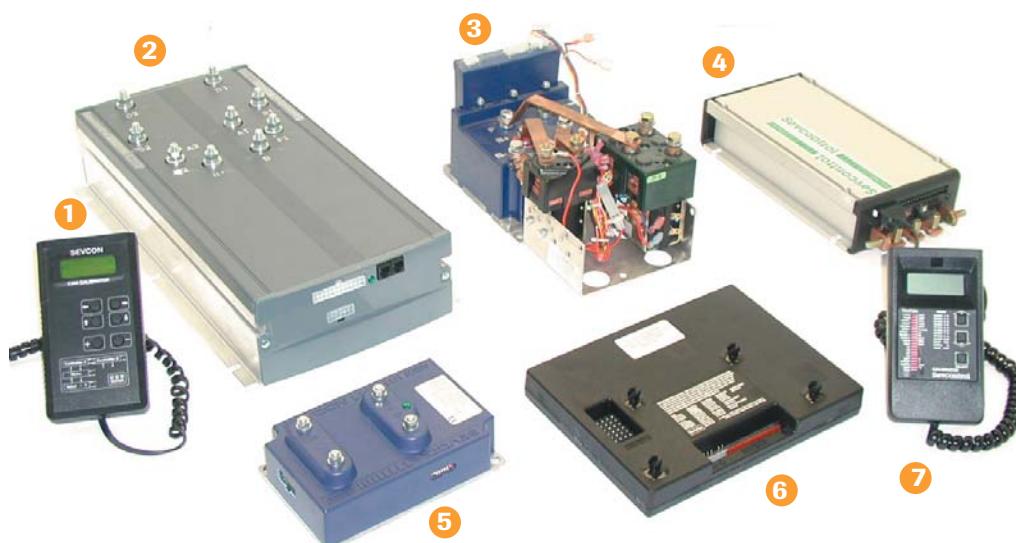
- 1 SL2 transistor controller
- 2 SL1 transistor controller
- 3 logic box MK-7
- 4 logic card P-500
- 5 logic box MC-F
- 6 logic card MC-150

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR SEVCON



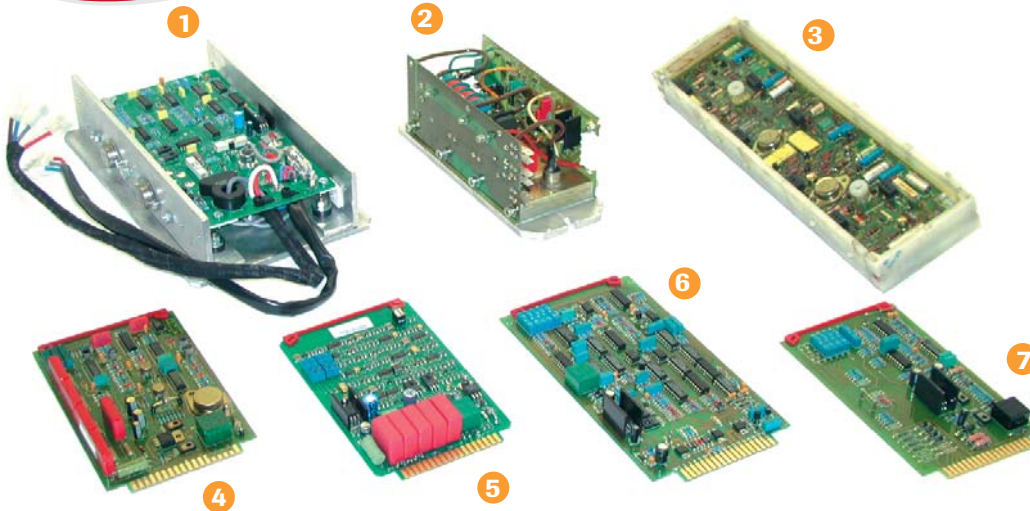
- 1 programmer for SC2000 & POWERPAK series
REF 105TA4794
- 2 series SC2000
- 3 series POWERPAK
- 4 series MOS-LF
- 5 series MOS-HF
- 6 logic box MC-G
- 7 programmer for MOS-LF series
REF 106TA6377

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR STILL



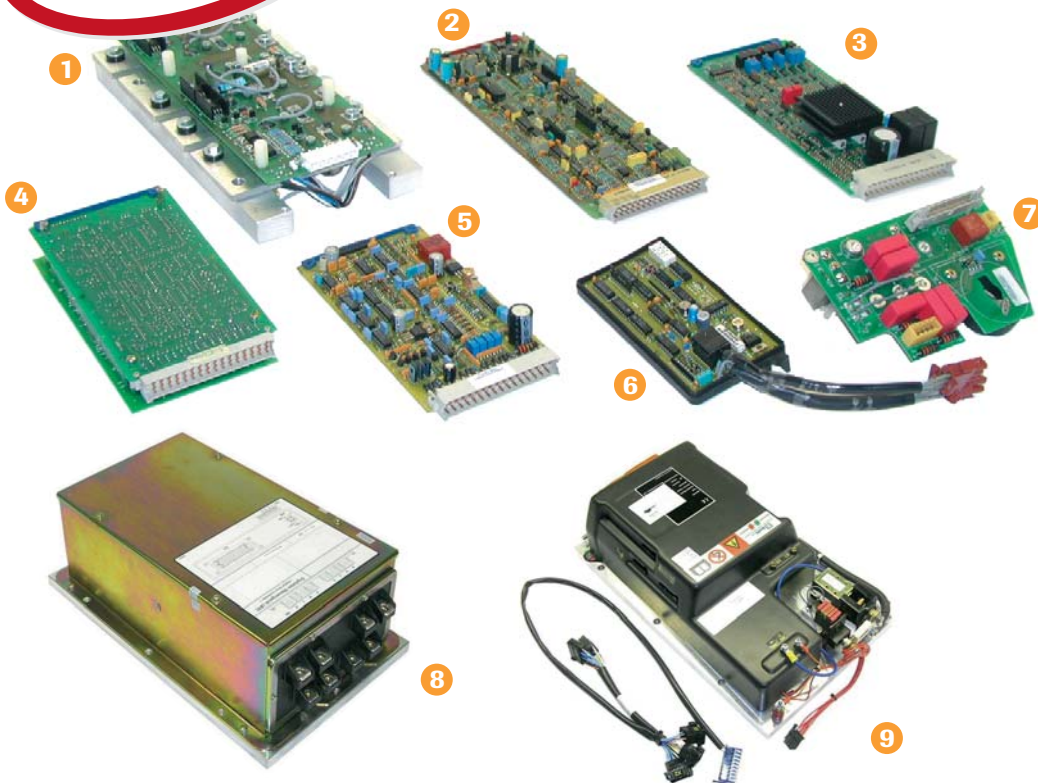
- 1 power steering
R50-24 Volt
REF 106TA6378
- 2 power steering R60
REF 106TA6379
- 3 logic card
IMPULS III
- 4 logic card R50
REF 106TA6380
- 5 logic card R50 SMD
REF 106TA6381
- 6 logic card R60
REF 106TA6382
- 7 logic card R60
REF 113TA3224

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR STILL



- 1 power unit R70
REF 106TA6383
- 2 logic card R70
- 3 logic card R70
- 4 logic card R20
(traction)
REF 113TA1720
- 5 logic card R20
(pump)
REF 113TA1721
- 6 logic card BDI
- 7 logic card R50
(current sensor)
REF 113TA1722
- 8 R20 controller
- 9 control panel
STILL/WAGNER

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR TELEMECANIQUE



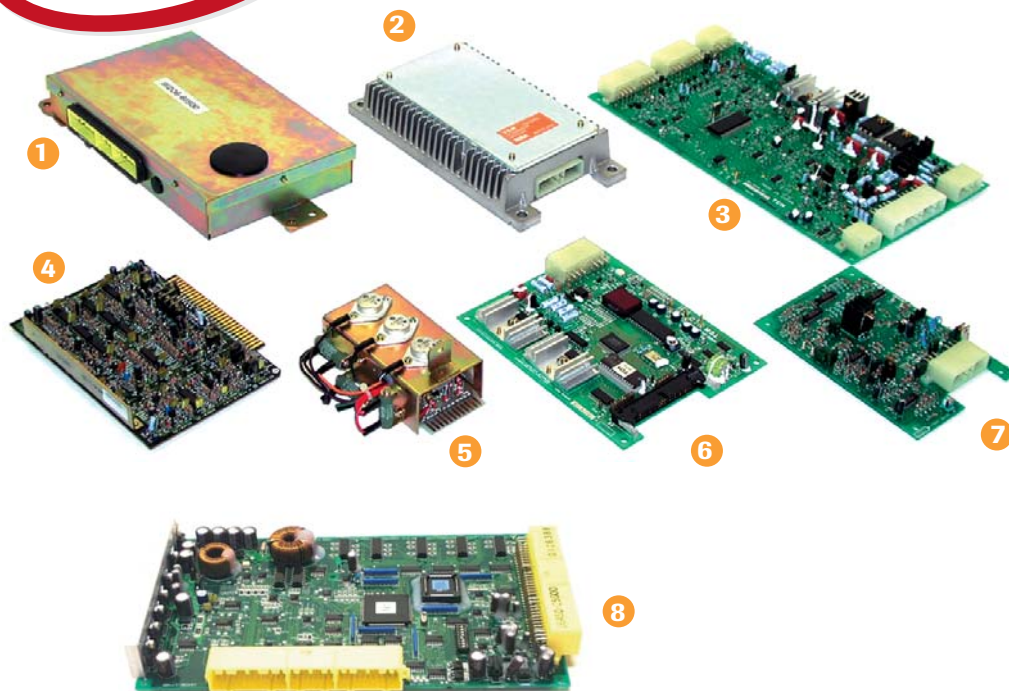
- 1 controller TTV14C
REF 113TA1723
- 2 logic card VZ1DT
- 3 controller VT4B
REF 113TA1724
- 4 logic card
- 5 logic card

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR TCM + MITSUBISHI



- 1 hydraulic control card MITSUBISHI
- 2 power steering TCM
- 3 logic board TCM
- 4 logic card TCM
- 5 stabilizer TCM
- 6 VTM unit TCM
- 7 logic card TCM
- 8 logic board MITSUBISHI

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR TOYOTA

1



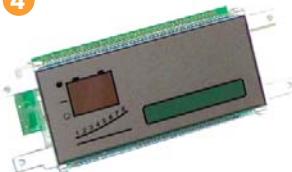
2



3



4



5



6



- 1 logic card 2FBE
- 2 logic card 5FBR(E)
- 3 power steering 5FBR
- 4 display 5FB
- 5 logic card 2FB-3FB
- 6 logic card 5FBE

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR TOYOTA

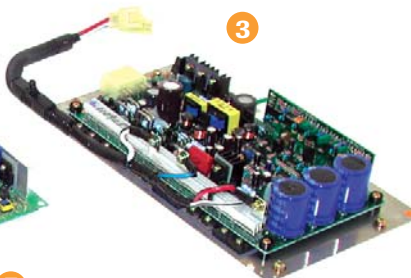
1



2



3



4



5



6



7



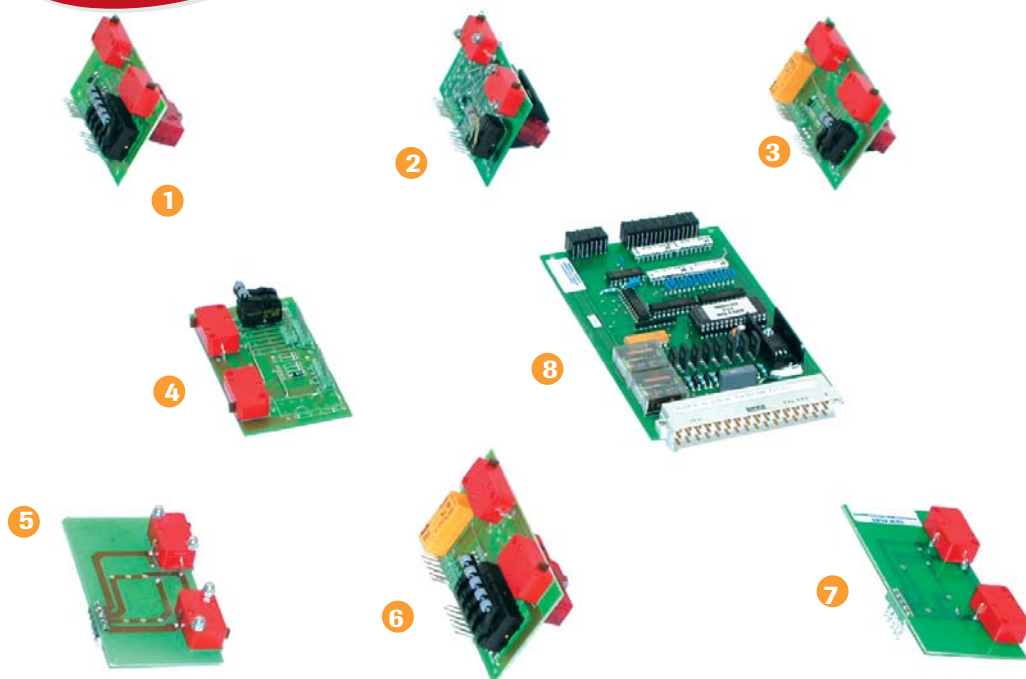
- 1 CPU board 5FB
- 2 DC-CD board 5FB
- 3 power steering 5FB
- 4 CPU board 6FB
- 5 logic board 4FB
- 6 CPU board 7FB
- 7 DC-MD board 7FB

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR WAGNER

**1 - 7**

logic card

control head

8 logic card

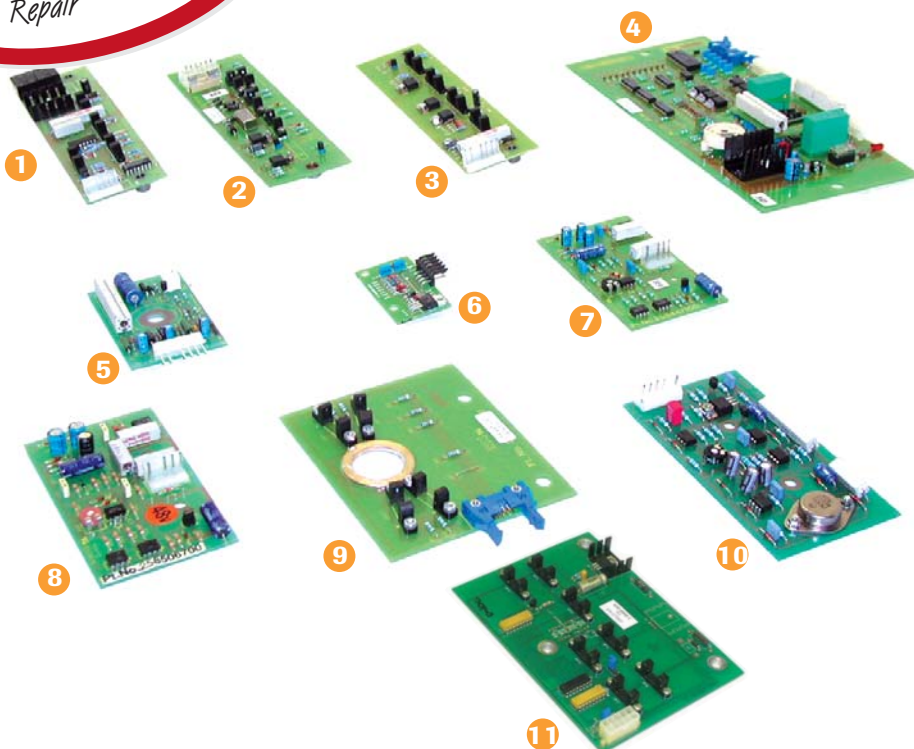
REF 113TA1725

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

Ask for

- New
- Service exchange
- Repair

USED FOR YALE

**1 - 11**circuit boards
used for Yale

Although these electronic cards & controllers may resemble the one fitted on the truck, there can be a big difference. Therefore we always ask you to supply us with partnumber or full truck details before ordering a similar unit.

USED FOR ZAPI

ZAPI H0



REF	Voltage	Current
123TA6784	24V	180A
123TA6785	24V	230A
123TA6786	36V	180A
123TA6787	36V	230A

ZAPI H1



REF	Voltage	Current
105TA4795	24V	300A
123TA6788	36V	300A
123TA7675	48V	270A

ZAPI H2



REF	Voltage	Current
123TA6790	24V	400A
123TA6791	24V	600A
123TA6792	48V	400A
123TA6793	48V	600A
123TA6794	80V	400A
123TA6795	80V	600A
123TA6796	96V	400A
123TA6797	96V	600A
123TA6798	120V	400A
123TA6799	120V	600A

ZAPI H3



REF	Voltage	Current
123TA6800	48V	800A
123TA6801	48V	1000A
123TA6802	80V	800A
123TA6803	80V	1000A
123TA6804	96V	800A
123TA6805	96V	1000A
123TA6806	120V	800A

ZAPI HP PUMP CONTROLLER



REF	Voltage	Current
123TA6807	24V	350A
123TA6808	48V	350A
123TA6809	48V	500A
123TA6810	80V	350A
123TA6811	80V	500A

ZAPI MDI



REF 123TA6812

ZAPI PROGRAMMER



REF 105TA4796



These are standard Zapi controls! If you need a customized Zapi control, please supply us with all references you find on the white label on the part.

Also available:

- MX, PM-motor controller
- 4Q, PM-motor controller
- PM1, PM-motor controller
- B1, twin motor controller
- C1, combi controller (traction + lift)
- HPRC pump controller
- SEM-X, SEM-0, SEM-1, SEM-2, SEM-3, separately excited motor controllers
- DUAL SEM-0, DUAL SEM-2, DUAL SEM-3, separately excited motor controllers
- COMBI SEM-1, COMBI SEM-2, COMBI SEM-3, separately excited motor controllers
- TRI-PLAT, 2 x separately excited motor controllers (traction controller)
1 x series wound motor controller (lift controller)
- AC-1, AC-2, AC-3, AC-4, AC motor controllers
- EPS-DC, EPS-AC: EPS controllers

Ask for

- New
- Service exchange
- Repair

PCB'S FOR FORKLIFTS

TO ORDER A PCB : PLEASE LIST THE FOLLOWING DETAILS

- 1 TRUCK MANUFACTURER (OEM) PART NUMBER** e.g. LINDE, JUNGHEINRICH, TOYOTA, ...
OR
- 2 MANUFACTURER PART NUMBER** e.g. SEVCON, CURTIS, GENERAL ELECTRIC, ...
OR
- 3 TVH REFERENCE NUMBER IN CATALOGUE**
OR
- 4 TYPE + SERIAL NUMBER OF FORKLIFT + BATTERY VOLTAGE**



*Retrofit your
old electric machine!*

**We can offer you: SEVCON - GENERAL ELECTRIC - CURTIS - ZAPI - ...
complete retrofit systems with speed controllers and contactors.**

Retrofit ! WHY ?

- Forklift is in good mechanical condition with good running motor
- Controller is unreliable or too expensive to repair
- Doesn't comply with current health and safety specifications
- Forklift or pallet truck with regular breakdown
- Supplied with installation manual

Please fill in the retrofit data form on next page



RETROFIT DATA FORM

**1. CUSTOMER DATA**

Company Name:

Contact person:

Phone : Fax : E-mail :

2. VEHICLE DATA

Manufacturer: Model:

Battery Voltage: Volts Lift Capacity: Kg

3. APPLICATION

a. Traction Controller : Yes / No

b. Pump Controller : Yes / No

c. Other :

(Please specify if you have a system preference : Sevcon , Zapi , G.E. , Curtis, ...)

4. MOTOR DATA

a. Number of drive motors : 1 / 2

b. Number of drive motor terminals :

c. Drive motor rating : HP, ... KWatt

d. Pump motor rating : HP, ... KWatt

5. CONTACTORS

a. New vehicle contactors required : Yes / No

b. Pump contactor : Yes / No

c. Power steering contactor : Yes / No

d. Other :

6. ACCELERATOR

a. Speed controller or joystick required : Yes / No

 b. Type required : Right  Left  Double  Joystick 
7. DIMENSIONS

a. Space of area where panel is to be fitted : mm (width) x mm (height) x mm (depth)

8. OTHER REQUIREMENTS

.....

HEATSINK COMPOUND



REF 106TA1493

200 gr.

Designed for mounting of semi-conductor devices to improve heat transfer.

CONTACT CLEANER



REF 107TA1216

Used to clean connectors and PCB's

INSULATING VARNISH



REF 123TA6824

Used to protect pcb's

THERMALLY CONDUCTIVE SHEET



REF 107TA1215

Electrically insulating up to 4KV

- -60°C to $+180^{\circ}\text{C}$
- 0.2 mm thick
- dimensions : 300 x 300 mm

GAS OPERATED SOLDERING IRON



REF 113TA1726

With built-in ignition

COMPRESSED AIR AEROSOL

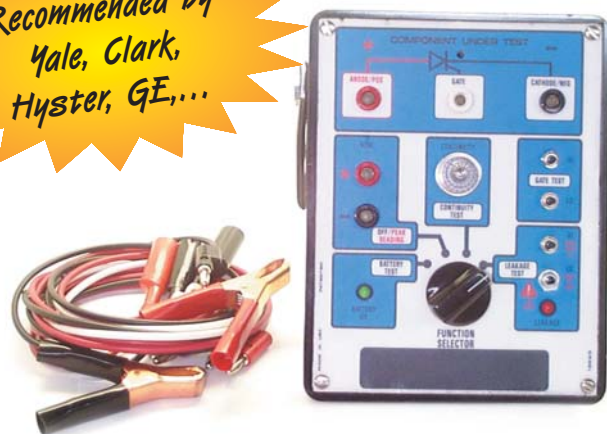


REF 107TA1213

400 ml

HANDYMAN

Recommended by
Yale, Clark,
Hyster, GE,...



Each truck
engineer
needs one !!!



REF 106TA1494

Fast, accurate testing of SCR's, diodes, capacitors, transistors, FETS and more.

FLUKE TRUE RMS DIGITAL MULTIMETER

**REF 112TA4860**

auto/manual ranging, 600V AC/DC, 10A AC/DC, resistance, continuity, diode, capacity, frequency, min/max, hold, analog bargraph ...

EN61010-1 Cat III rated for 600 V

Supplied with instrument :

- Holster (yellow)
- Test leads
- Battery
- User manual

three-year warranty !!!

lifetime warranty !!!

FLUKE TRUE RMS DIGITAL MULTIMETER

**REF 112TA4861**

auto/manual ranging, 1000V AC/DC, 10A AC/DC, resistance, continuity, diode, capacity, frequency, temperature, dBm and dBv, duty cycle, min/max, hold, analog bargraph, backlight, on-line logging capabilities when connected to a PC.

EN61010-1 Cat III 1000V, Cat IV 600V

Supplied with instrument :

- Holster (yellow)
- Test leads
- Battery (2x AA)
- User manual
- Calibration certificate

Optional :

- FlukeView Forms-software with interface cable
- REF 113TA2089**
- Temp probe

three-year warranty !!!

FLUKE TRUE RMS CLAMP METER

**REF 112TA2908**

600A AC/DC, 600V AC/DC, resistance, continuity, hold function, backlight ...

EN61010-1 Cat III rated for 600V

Supplied with instrument :

- Carrying case
- Test leads
- Battery
- User Manual

FLUKE ACCESSORIES



REF 112TA4865



REF 112TA4864



REF 107TA1224



REF 112TA4863



REF 112TA4862

APPA TRUE RMS DIGITAL MULTIMETER

**REF 112TA4866**

auto/manual ranging, 1000VDC, 750VAC, 10A AC/DC, resistance, continuity, diode, hold, analog bargraph ...
IEC 1010 Cat III 600V, CAT II 1000V and UL3111

Supplied with instrument :

- Test leads
- Battery
- Manual

APPA TRUE RMS DIGITAL MULTIMETER

**REF 112TA4867**

auto/manual ranging, 1000VDC, 750VAC, 10A AC/DC, resistance, continuity, diode, capacity, frequency, duty cycle, temperature, hold, min/max, backlight, analog bargraph ...
IEC 1010 Cat III 600V and UL3111

Supplied with instrument :

- RS232 cable + WinDMM100 software
- Test leads + test clips
- Protective holster
- Temperature adaptor
- Bead sensor
- Battery
- Manual

APPA CLAMP METER

**REF 123TA6825**

RMS readings in AC-mode, 1000A AC/DC, 750VAC, 1000VDC, resistance, continuity, min/max, hold function, backlight, analog bargraph,...

IEC 1010-1, CAT IV 600V/CAT III 1000V

APPA ACCESSORIES



REF 112TA4869



REF 112TA4870

Protective
Holster

REF 112TA4871
(for DMM REF 112TA4866)
REF 112TA4872
(for DMM REF 112TA4867)



REF 106TA8957

ELIX DIGITAL MULTIMETER

**REF 106TA8963**

Manual ranging, 600V AC/DC, 10A DC, resistance, diode, transistor checker ...

Supplied with instrument :

- Test leads
- User manual

ELIX DIGITAL MULTIMETER

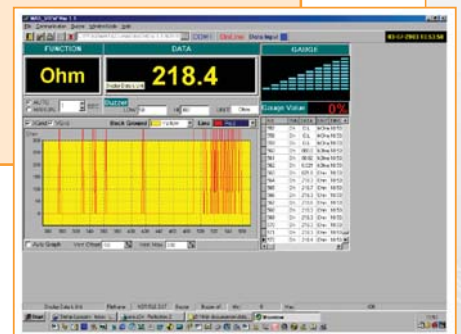
VERY GOOD DEAL!

**REF 112TA4873**

auto/manual ranging, 1000VDC, 750VAC, 10A AC/DC, resistance, continuity, diode, capacity, temperature (0-750°C), hold, min/max, backlight, analog bargraph, ...

Supplied with instrument :

- RS232C cable + software
- Carrying case
- Test leads
- 9 V Battery
- Operating Manual



BEST BUY!

ELIX CLAMP METER

**REF 123TA6867**

RMS readings in AC mode 1000A AC/DC, 700VAC, 1000VDC, resistance, diode + continuity, backlight, analog bargraph, min/max, hold function, jaws lighting,...

IEC1010 & IEC1010-1-032 double insulation CAT III 600V & pollution 2.

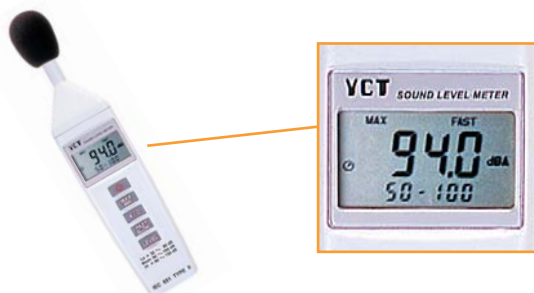
INFRARED THERMOMETER

**REF 112TA4875**

The Fluke Infrared Thermometer provides quick non-contact temperature measurement. Targeting objects is easy with the bright laser beam. This is the ideal tool for measuring surface temperatures of rotating, hard-to-reach, electrical live, or dangerously hot targets in less than one second.

Range: -40 to 500°C (-40 to 932°F)

SOUND LEVEL METER

**REF 112TA4881**

Specifications :

Min/max, hold, alarm function

Ranges : LO 32 to 80dB

MED 50 to 100dB

HI 80 to 130dB

Included : windscreen, screwdriver, 9Volt battery

TACHOMETER

**REF 112TA4882**

For contact and non-contact measurement of speed of motors, shafts, as well as linear speed and length of moving surfaces like belts etc.

Supplied with instrument :

- carrying case with 3 batteries
- rubber tip for contact measurements of rpm
- rubber funnel
- rubber wheel with 6 inch circumference for measuring velocity
- self-reflecting tape (35 pcs)

DIGITAL THERMOMETER

**REF 112TA4874**

Specifications:

- Temperature: 0°C to 500°C + -0.75%
500°C to 750°C + -1.0%
- LCD size : 18.5 x 46 mm
- Included : K type probe, 9 V battery,
- Soft carrying case.
- **See below for more probes!**



General purpose application. Not suitable for immersion in liquid. Measuring range: -40°C to 204°C (-40°F to 399°F)

REF 112TA4876



For air & gasses. Measuring bead is protected by perforated Stainless Steel baffle. Not for immersion in liquid. Measuring range: -196°C to 500°C (-320°F to 932°F)

REF 112TA4877



Suitable for food service. Also suitable for liquids and gels. Measuring range: -196°C to 800°C (-320°F to 1472°F)

REF 112TA4878



For liquids and gels. Protected from tip to handle by an In conel sheath. Suitable for general temperature measurement applications. Measuring range: -196°C to 500°C (-320°F to 932°F)

REF 112TA4879



For flat or slightly convex surfaces. Ideal for measurement of hot rollers and plates. Measuring range: 0°C to 400°C (32°F to 752°F)

REF 112TA4880



DIGITAL LUX METER



REF 112TA4883

Features : Safe-sealed photocell for long stability. Photosensor correctly designed in accordance with testing angles & visual sensitivity. Data hold switch and output jack for long-term connecting recorder use.

RANGE	ALLOWANCE	REMARKS
0 - 200 Lux	$\pm 4\%$ rdg $\pm 0.5\%$ f.s.	Colour temperature
0 - 2000 Lux	$\pm 4\%$ rdg $\pm 0.5\%$ f.s.	2856°K connected
0 - 20000 Lux	$\pm 7\%$ rdg $\pm 1\%$ f.s.	by a standard bulb

CABLE LENGTH METER



REF 112TA4884

Cable length meter for the easy, time-saving measuring of cable lengths in industry, trade....

- 56 preset measurement ranges for the most common cable types
- 84 variable measurement ranges for user specific cable types.
- Internal memory for 500 values
- RS232 interface for downloading and further processing on PC
- Resolution : 0 to 2000m / 0.1m
0 to 20.000m / 1m
- Tolerance : $\pm (2\% \text{ rdg. } +5 \text{ digit})$
- Cross sections : 0.05 to 500mm²
1 to 28 AWG
250 to 500 MCM
- backlight, auto power-off, temp. compensation, copper or alu. cable selection....

Report Studio(optional)= **REF 112TA4885**

BATTERY DISCHARGER



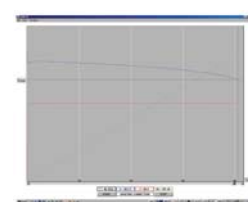
To have the maximum return of your forklift, it is essential to check the condition of the battery.

This equipment makes it possible to measure the capacity of your battery (Ah). It discharges the battery until a certain level is reached (usually 1,7Volt/cell)

The discharger is fitted with a display which the following parameters are shown on:

- the battery voltage
- the selected stop voltage (usually 1,7V/cell)
- the discharging current
- the discharging time
- the Ah discharged

Software (Optional) is available for recording of discharging curves by PC via RS232.



REFERENCE	TYPE	NOMINAL BATTERY VOLTAGE	DISCHARGING CURRENT
REF 106TA8964	80 V - 150 A	1 to 80 V (Umax. = 96 V)	1 to 150 A
REF 112TA4886	80 V - 300 A	1 to 80 V (Umax. = 96 V)	2 to 300 A
REF 112TA4887	120 V - 100 A	1 to 120 V (Umax. = 160 V)	1 to 100 A
REF 112TA4888	120 V - 200 A	1 to 120 V (Umax. = 160 V)	2 to 200 A
REF 112TA4889	PC-Software		

